

## STR Authentication Report For Cell Line

1. Cell Name: MOLT-4
2. Test Method: DNA was extracted using the genome extraction kit (Axygen), amplified using a 21- STR amplification protocol, the STR loci and gender gene Amelogenin were detected on the ABI 3730XL Genetic Analyzer.
3. Sample gene genotype analysis result:

Genotype analysis results of STR and Amelogenin loci in cells							
STR Loci	STR profile for Sample cell				STR profile for Cell Bank cell		
	Cell name: MOLT-4				Cell name: MOLT-4		
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3
D5S818	12	12			12	12	
D13S317	12	13			12	13	
D7S820	8	10	11.0		8	10	11.0
D16S539	11	14			11	14	
VWA	17	18			17	18	
TH01	6	8			6	8	
AMEL	X	Y			X	Y	
TPOX	8	8			8	8	
CSF1PO	11	12	13.0		11	12	13.0

Note: The above figure shows the comparison results of nine genotype loci for detecting cells and cells from the cell bank.

4. Conclusion: The STR results of **MOLT4** cells are consistent with the genotypes of **MOLT4** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-1582** , and the STR results **completely matched**. In the test, **Multi allele was found** in this cell line.

## 5. Attached Image

